

UNITED STATES PATENT AND TRADEMARK OFFICE



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/937,796		01/28/2002	Mitsuhiro Koden	70904-56520	7040
21874	7590	09/16/2004		EXAMINER	
EDWARD		ELL, LLP	LAVARIAS, ARNEL C		
P.O. BOX 55874 BOSTON, MA 02205				ART UNIT	PAPER NUMBER
				2872	
				DATE MAILED: 09/16/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Orfice action; or (2) as set forth in by above, if checked. Any reply received by the Office later than three months after the mailling date of the final rejection, even if timely filed, may reduce any barned patent term adjustment. See 37 CFR 1.704(b). 1.		Application No.	Applicant(s)					
### Examiner Art Unit Arte C. Lavarias 2872 ### REPLY FILED 23 August 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandomment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either. (1) a timely filed amendment which places the application in condition for allowance: (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. #### PERIOD FOR REPLY (check either a) or b) #### The period for reply expires months from the malling date of the final rejection. #### PERIOD FOR REPLY (check either a) or b) #### The period for reply expires months from the malling date of the final rejection. #### PERIOD FOR REPLY (check either a) or b) #### The period for reply expires months from the malling date of the final rejection, whichever is later. In no event, however, with the sutracy period for reply expires months from the malling date of the final rejection, whichever is later. In no event, however, with the sutracy period for reply expires months from the malling date of the final rejection, whichever is later. In no event, however, with the sutracy period for reply well and the period of the final rejection. The malling date of the final rejection, whichever is later. In no event, however, with the sutracy period for reply well and the composition of the final rejection, whichever is later. In no event, however, with the sutracy period for reply well and the period of the final rejection. The final rejection which period and a final rejection which the series of the final rejection which the period of the final rejection which the period reply period for period pe	Advisory Action	09/937,796	KODEN ET AL.					
-The MAILING DATE of this communication appears on the cover sheet with the correspondence address THE REPLY FILED 23 August 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance: (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. PERIOD FOR REPLY (check either a) or (b) a) The period for reply expires months from the mailing date of the final rejection. b) The period for reply expires months from the mailing date of the Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, with the statutory period for reply expire is a final form the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP TOTAL TOTAL THE SOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE RINAL REJECTION. See MPEP TOTAL TOTAL THE CONTROL OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE RINAL REJECTION. See MPEP TOTAL TOTAL THE CONTROL OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE RINAL REJECTION. See MPEP TOTAL TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL THE CONTROL OF THE RINAL REJECTION. See MPEP TOTAL THE CONTROL OF THE RI	Advisory Action	Examiner	Art Unit					
THE REPLY FILED 23 August 2004. FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CPR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Molice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (ReC) in compliance with 37 CPR 1.114. PERIOD FOR REPLY [check either a) or bij		Arnel C. Lavarias	2872					
Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a intal rejection under 37 CFR 1.113 may only be either. (1) a timely filed amendment with places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. PERIOD FOR REPLY (check either a) or b)] The period for reply expires on. (1) the mailing date of the final rejection. DALY CHECK THIS BOX WHENTEF IFRES REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF IFRES REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF IFRES REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF IFRES REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF IFRES REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF REPLY WAS FILED WITHIN TVOW MONTHS OF THE FINAL REJECTION. See MPEP CHECK THIS BOX WHENTEF THE PROPERTY OF	The MAILING DATE of this communication appe	ars on the cover sheet with the o	correspondence add	ress				
a) The period for reply expires months from the mailing date of the final rejection. The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, with the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE PROPERTY OF THE PROPERTY OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE PROPERTY OF THE PROPERTY OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FIRST REPLY WAS FILED WITHIN TWO	THE REPLY FILED 23 August 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued							
the period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, with the studrop period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f). Netherishors of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee base been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 57 CFR 1.17(a) is calculated from; (1) the experiation date of the shortened statutory period for reply originally set in the final Office action, or (2) as set forth in 37 CFR 1.191(d), or any extension thereof date of the mailing date of the final rejection, even if timely flied, may reduce any samed palent term adjustiment. See 37 CFR 7.04(b). □ A Notice of Appeal was filed on Appellant's Brief must be filled within the period set forth in 37 CFR 1.192(d), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal. □ The proposed amendment(s) will not be entered because: (a) □ they raise new issues that would require further consideration and/or search (see NOTE below); (b) □ they raise the issue of new matter (see Note below); (c) □ they present additional claims without canceling a corresponding number of finally rejected claims. NOTE: □ Applicant's reply has overcome the following rejection(s): Applicant's reply has overcome the following rejection(s): Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment cancelling the non-allowable claim(s). The affidavit or	PERIOD FOR RE	PLY [check either a) or b)]						
37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal. 2. The proposed amendment(s) will not be entered because: (a) they raise new issues that would require further consideration and/or search (see NOTE below); (b) they raise the issue of new matter (see Note below); (c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or (d) they present additional claims without canceling a corresponding number of finally rejected claims. NOTE: 3. Applicant's reply has overcome the following rejection(s): 4. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s). 5. The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet. 6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection. 7. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) withdrawn from consideration: Claim(s) withdrawn from consideration: Claim(s) withdrawn from consideration: Claim(s) withdrawn from consideration: See The drawing correction filed on is a) approved or b) disapproved by the Examiner. PRIMARY EXAMINER	b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).							
(a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below); (b) ☐ they raise the issue of new matter (see Note below); (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims. NOTE:	_							
(b) ☐ they raise the issue of new matter (see Note below); (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims. NOTE:								
(c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or (d) they present additional claims without canceling a corresponding number of finally rejected claims. NOTE: 3. Applicant's reply has overcome the following rejection(s):	` _ ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `							
issues for appeal; and/or (d)	· · · · · · · · · · · · · · · · · · ·	•						
NOTE:		in better form for appeal by mat	erially reducing or s	simplifying the				
3. □ Applicant's reply has overcome the following rejection(s): 4. □ Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s). 5. □ The a □ affidavit, b □ exhibit, or c □ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet. 6. □ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection. 7. □ For purposes of Appeal, the proposed amendment(s) a) □ will not be entered or b) □ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) withdrawn from consideration: The drawing correction filed on is a) □ approved or b) □ disapproved by the Examiner. 9. □ Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s). THONG NGUYEN PRIMARY EXAMINER								
A. Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s). 5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet. 6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection. 7. ☐ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) withdrawn from consideration: The drawing correction filed on is a) ☐ approved or b) ☐ disapproved by the Examiner. 9. ☐ Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s) THONG NGUYEN PRIMARY EXAMINER		tion(s):						
The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) withdrawn from consideration: The drawing correction filed on is a) approved or b) disapproved by the Examiner. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s) THONG NGUYEN PRIMARY EXAMINER	4. Newly proposed or amended claim(s) would	• • • • • • • • • • • • • • • • • • • •	separate, timely file	d amendment				
6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection. 7. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: 1-30. Claim(s) withdrawn from consideration: The drawing correction filed on is a) approved or b) disapproved by the Examiner. 9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s) THONG NGUYEN PRIMARY EXAMINER	5.⊠ The a) affidavit, b) exhibit, or c) request fo		sidered but does NC	OT place the				
7. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended. The status of the claim(s) is (or will be) as follows: Claim(s) allowed:	6. The affidavit or exhibit will NOT be considered bec		to issues which we	re newly				
Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: 1-30. Claim(s) withdrawn from consideration: 8.	7. For purposes of Appeal, the proposed amendment			and an				
Claim(s) objected to: Claim(s) rejected: 1-30. Claim(s) withdrawn from consideration: 8. The drawing correction filed on is a) approved or b) disapproved by the Examiner. 9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s) THONG NGUYEN PRIMARY EXAMINER	The status of the claim(s) is (or will be) as follows:							
Claim(s) rejected: 1-30. Claim(s) withdrawn from consideration: 8. The drawing correction filed on is a) approved or b) disapproved by the Examiner. 9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s) THONG NGUYEN PRIMARY EXAMINER	Claim(s) allowed:							
Claim(s) withdrawn from consideration: 8. The drawing correction filed on is a) approved or b) disapproved by the Examiner. 9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s) THONG NGUYEN PRIMARY EXAMINER	Claim(s) objected to:							
8. The drawing correction filed on is a) approved or b) disapproved by the Examiner. 9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s) THONG NGUYEN PRIMARY EXAMINER	Claim(s) rejected: <u>1-30</u> .							
9. Note the attached Information Disclosure Statement(s)(PTO-1449) Paper No(s). Other: THONG NGUYEN PRIMARY EXAMINER	Claim(s) withdrawn from consideration:		<i>[</i>	\wedge				
O. Other: THONG NGUYEN PRIMARY EXAMINER	8. \square The drawing correction filed on is a) \square app	roved or b) disapproved by	the Examiner.	/\				
PRIMARY EXAMINER \		nt(s)(PTO-1449) Paper No(s). ₋	My in	WEN				
ALIAO ENAO /			PRIMARY EXA	MINER \				

Continuation of 5. does NOT place the application in condition for allowance because: Applicants' remarks have been considered, but are not found persuasive. Regarding the limitation that '... the at least one light output layer shines when a specified time has elapsed after a complete set of data signals for each scan line is transmitted to the first elecrodes and extinguishes before a succeeding complete set of data signals for each scan line is transmitted.', it is noted that Figure 8 of Tajima et al. (See also col. 3, line 66-col. 5, line 53 of Tajima et al.) specifically discloses that during each subframe SF1, SF2, ..., SF6, of a single 16.7 ms frame, the light output layer shines (i.e. during display period S3) when a specified time has elapsed after a complete set of data signals for each scan line (i.e. the addressing signals provided to address electrode during time period S2, wherein during each subframe, a complete set of addressing signals is provided to the Y-Sustain electrodes) is transmitted to the first electrodes (i.e. the Y-Sustain electrodes) and extinguishes (i.e. during the 'OFF' period S1) before a succeeding complete set of data signals for each scan line is transmitted. Further, with regard to the limitation that '... the light output layer is adjusted in terms of luminance to a maximum luminance of the data signals for each scan line.', it is noted that the addressing signals provided to the address electrode is given a voltage of either 0 volts or VA volts (See Figure 8), i.e. either the light output layer is off or on. The luminance of the light output layer is adjusted via a combination of the application of an address signal to the address electrode and the number of sustain discharge pulses applied during display period S3 (See also Figure 10; col. 5, lines 3-31), wherein a maximum luminance is achieved by providing an address signal to the address electrode and maximizing the number of sustain discharge pulses during the display period S3.